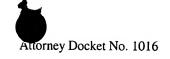
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## **Abstract of the Disclosure**

Improved systems and methods for performing genetic analyses. Full genomic DNA scans are performed on the genetic DNA from a plurality of individuals to identify genetic variants. For those variants, but not based on a full genetic DNA scan, the variants alone are scanned in additional individuals to identify blocks of the variants that tend to be inherited together.